



IFW

PATENT  
ATTORNEY DOCKET NO. INTEL1150 (P15618)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Xing Su Art Unit: 1645  
Application No.: 10/748,374 Examiner: Not Yet Assigned  
Filed: December 29, 2003  
Title: METHODS FOR DETERMINING NUCLEOTIDE SEQUENCE  
INFORMATION

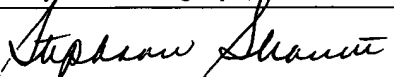
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL SHEET**

Sir:

Transmitted herewith for the above-identified application, please find:

- (1) A Information Disclosure Statement (2 pages);
- (2) A Form PTO-1449 (2 pages);
- (3) Fifteen (15) References; and
- (4) Return postcard.

| CERTIFICATION UNDER 37 CFR §1.8  |  |
|--|--|
| I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on this date, November 8, 2004, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 |  |
| Stephanie Sharrett   |  |
| (Name of Person Mailing Paper)   |  |
|    |  |
| November 8, 2004   |  |

In re Application of:

Xing Su

Application No.: 10/748,374

Filed: December 29, 2003

Page 2

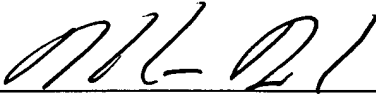
PATENT

Attorney Docket No.: INTEL1150 (P15618)

Applicants do not believe any fees are due in connection with this Information Disclosure Statement. However, if any fees are required, authorization is hereby given to charge Deposit Account No. 07-1896. A duplicate copy of this Transmittal sheet is enclosed.

Respectfully submitted,

Date: November 8, 2004

  
\_\_\_\_\_  
Michael P. Reed  
Registration No. 45,647  
Telephone: (858) 638-6754  
Facsimile: (858) 677-1465

**USPTO CUSTOMER NUMBER 28213**  
GRAY CARY WARE & FREIDENRICH LLP  
ATTORNEYS FOR INTEL CORPORATION  
4365 Executive Drive, Suite 1100  
San Diego, CA 92121-2133



PATENT

Attorney Docket No.: INTEL1150 (P15618)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Xing Su  
Application No.: 10/748,374  
Filed: December 29, 2003  
Title: METHODS FOR DETERMINING NUCLEOTIDE SEQUENCE  
INFORMATION

Art Unit: 1645  
Examiner: Not Yet Assigned

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

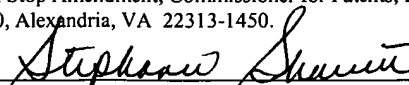
Sir:

In accordance with 37 C.F.R. 1.97, enclosed are references relating to the above-identified application. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449 and a copy of Items V through AJ are enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on November 8, 2004, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Stephanie Sharrett

In re Application of:

Xing Su

Application No.: 10/748,374

Filed: December 29, 2003

Page 2

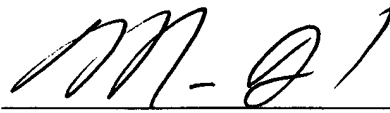
PATENT

Attorney Docket No.: INTEL1150 (P15618)

This Information Disclosure Statement is being filed prior to receipt of a First Office Action on the merits. Therefore, no fee is deemed necessary. However, the Commissioner is hereby authorized to charge any amounts required by this filing, or credit any overpayment, to Deposit Account No. 07-1896.

Respectfully submitted,

Date: November 8, 2004

A handwritten signature in black ink, appearing to read "M. P. Reed", written over a horizontal line.

Michael P. Reed, J.D., Ph.D.

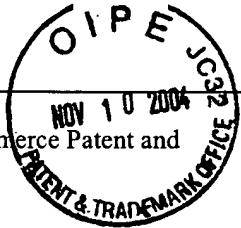
Registration No.: 45,647

Telephone: (858) 638-6754

Facsimile: (858) 677-1465

GRAY CARY WARE & FREIDENRICH LLP  
ATTORNEYS FOR INTEL CORPORATION  
4365 Executive Drive, Suite 1100  
San Diego, California 92121-2133  
**USPTO Customer Number 28213**

FORM PTO-1449

U.S. Department of Commerce Patent and  
Trademark OfficeDocket No.:  
INTEL1150 (P15618X)Serial No.:  
10/748,374

Applicants: Xing Su

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANTFiling Date:  
December 29, 2003Group Art Unit:  
1645

## U.S. PATENT DOCUMENTS

| EXAM.<br>INITIALS |   | DOCUMENT<br>NUMBER | DATE     | NAME               | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|-------------------|---|--------------------|----------|--------------------|-------|---------------|----------------|
|                   | A | 5,306,403          | 4/26/94  | Vo-Dinh            | 204   | 450           |                |
|                   | B | 5,401,511          | 3/28/95  | Margalit           | 424   | 450           |                |
|                   | C | 5,405,766          | 4/11/95  | White, et al.      | 205   | 777.5         |                |
|                   | D | 5,603,872          | 2/18/97  | Margalit           | 264   | 4.3           |                |
|                   | E | 5,610,287          | 3/11/97  | Nikiforov, et al.  | 536   | 24.3          |                |
|                   | F | 5,776,674          | 7/7/98   | Ulmer              | 435   | 6             |                |
|                   | G | 5,840,862          | 11/24/98 | Bensimon, et al.   | 536   | 22.1          |                |
|                   | H | 5,986,076          | 11/16/99 | Rothchild, et al.  | 536   | 22.1          |                |
|                   | I | 6,002,471          | 12/14/99 | Quake              | 356   | 73            |                |
|                   | J | 6,013,456          | 1/11/00  | Akhavan-Tafti      | 435   | 6             |                |
|                   | K | 6,054,327          | 4/25/00  | Bensimon, et al.   | 436   | 518           |                |
|                   | L | 6,174,677          | 1/16/01  | Vo-Dinh            | 435   | 6             |                |
|                   | M | 6,225,055          | 5/1/01   | Bensimon, et al.   | 435   | 6             |                |
|                   | N | 6,225,068          | 5/1/01   | Wolfrum, et al.    | 435   | 6             |                |
|                   | O | 6,248,537          | 6/19/01  | Bensimon, et al.   | 435   | 6             |                |
|                   | P | 6,263,286          | 7/17/01  | Gilmanshin, et al. | 702   | 19            |                |
|                   | Q | 6,265,153          | 7/24/01  | Bensimon, et al.   | 435   | 6             |                |
|                   | R | 6,303,296          | 10/16/01 | Bensimon, et al.   | 435   | 6             |                |
|                   | S | 6,344,319          | 2/5/02   | Bensimon, et al.   | 435   | 6             |                |
|                   | T | 6,514,767          | 2/4/03   | Michael Natan      | 436   | 166           |                |

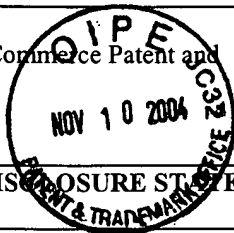
EXAMINER

GT6416726.1  
1090132-8

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|  |   |                                  |
|--|---|----------------------------------|
| <b>FORM PTO-1449</b><br>U.S. Department of Commerce Patent and<br>Trademark Office | <b>Docket No.:</b><br>INTEL1150 (P15618X) | <b>Serial No.:</b><br>10/748,374 |
|  | <b>Applicants:</b> Xing Su                |                                  |
| <b>INFORMATION DISCLOSURE STATEMENT<br/>BY APPLICANT</b>                           | <b>Filing Date:</b><br>December 29, 2003  | <b>Group Art Unit:</b><br>1645   |



### FOREIGN PATENT DOCUMENTS

| EXAM.<br>INITIALS |   | DOCUMENT<br>NUMBER | DATE   | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>(YES/NO) |
|-------------------|---|--------------------|--------|---------|-------|---------------|-------------------------|
|                   | U | WO99/44045         | 9/2/99 | PCT     |       |               |                         |
|                   |   |                    |        |         |       |               |                         |

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

|    |  |
|----|--|
| V  | Bensimon <i>et al.</i> , <i>Phys. Rev. Lett.</i> 74:4754-57, 1995  |
| W  | Chan, et al., "Surface-enhanced raman scattering of small molecules from silver-coated silicon nanopores," <i>Advanced Materials</i> 15(19):1595-1598, 2003.                             |
| X  | Clegg, "Fluorescence resonance energy transfer and nucleic acids," <i>Methods of Enzymology</i> , 211:353-389 1992   |
| Y  | Craighead, <i>Science</i> 290:1532-36, 2000  |
| Z  | Doering, et al., "Spectroscopic Tags Using Dye-Embedded Nanoparticles and Surface -Enhanced Raman Scattering", <i>Analytical Chemistry</i> , :5-9  |
| AA | Holmstrom <i>et al.</i> , <i>Anal. Biochem.</i> 209:278-283, 1993  |
| AB | Kaczorowski and Szybalski, <i>Gene</i> 179:189-193, 1996   |
| AC | Kotler <i>et al.</i> , <i>Proc. Natl. Acad. Sci. USA</i> 90:4241-45, 1993  |
| AD | Michalet <i>et al.</i> , <i>Science</i> 277:1518-23, 1997  |
| AE | Mulvaney, et al., "Glass-Coated, Analyte-Tagged Nanoparticles: A New Tagging System Based on Detection with Surface-Enhanced Raman Scattering", <i>Am Chem Soc.</i> 19:4784-4790 (2003). |
| AF | Nallur, et al., "Signal amplification by rolling circle amplification on DNA microarrays," <i>Nucl. Acids Res.</i> 29(23):1-9, 2001.   |
| AG | Newton <i>et al.</i> , <i>Nucleic Acids Res.</i> 21:1155-62, 1993  |
| AH | Rasmussen <i>et al.</i> , <i>Anal. Biochem.</i> 198:138-142, 1991  |
| AI | Running <i>et al.</i> , <i>BioTechniques</i> 8:276-277, 1990   |
| AJ | Voldman <i>et al.</i> , <i>Ann. Rev. Biomed. Eng.</i> 1:401-425, 1999  |

|  |                        |
|--|------------------------|
| <b>EXAMINER</b><br><br>GT\6416726.1<br>1090132-8 | <b>DATE CONSIDERED</b> |
|--|------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.